

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A method of processing data packets, comprising the steps of:

receiving a series of data packets transmitted over a serial bus;

~~with respect to said series of data packets, taking a difference between a requested time of arrival written in a header portion and a cycle time at a time of reception~~ with respect to said series of data packets, thereby deriving a relative value between said requested time of arrival and said cycle time;

replacing said requested time of arrival with said relative value, ~~[[;]]~~ and

~~reproducing a number of dummy packets in accordance with the difference between the requested time of arrival written in the header and the cycle time at the time of reception together with the series of data packets~~

wherein said difference taking step and said replacing step are skipped when said series of data packets is directed to first kind of storage medium in which said series of data packets is stored based on said cycle time, and are preformed when said series of data packets is directed to second kind of storage medium in which said series of data packets is not stored based on said cycle time.

2. (Canceled)

3. (Currently Amended) A method of processing data packets according to claim 1, wherein said difference taking step and said replacing step are compatible with a plurality of data types including a series of data packets in which a header portion is given to each of the data packets, and a series of data packets in which a header portion is given only to the leading data packet at the beginning thereof.

4. (Currently Amended) A video recording apparatus comprising:
means for receiving a series of data packets transmitted over a serial bus;
means for taking a difference between a requested time of arrival written in a header portion and a cycle time at a time of reception with respect to said series of data packets, thereby deriving a relative value between said requested time of arrival and said cycle time;
means for replacing said requested time of arrival with said relative value; and
~~means for reproducing a number of dummy packets in accordance with the difference between the requested time of arrival written in the header and the cycle time at the time of reception together with the series of data packets,~~

wherein said means for taking a difference and said means for replacing are disabled when said series of data packets is directed to first kind of storage medium in which said series of data packets is stored based on said cycle time, and are enabled when said series of data packets is directed to second kind of storage medium in which said series of data packets is not stored based on said cycle time.

5. (Currently Amended) A video recording apparatus according to claim 4, ~~further comprising means for generating wherein each dummy packet is generated in a range in which data is absent, and means for recording each said dummy packet together with said series of data packets in said first kind of storage medium or said second kind of storage medium all the stream packets including the dummy packet are recorded so that the relative value between the requested time of arrival and the cycle time is obtained.~~

6. (Currently Amended) A method of processing data packets, comprising the steps of:

~~with respect to a series of data packets, taking the sum of a relative value, which is written in a header portion, between a requested time of arrival and a cycle time at the time of reception, and a cycle time at the time of transmission[[]]~~

taking the sum of a relative value between a requested time of arrival and a cycle time at a time of reception which is written in a header portion and a cycle time at the time of transmission with respect to a series of data packets;

replacing said relative value with said sum;

transmitting said series of data packets over a serial bus; and

~~reproducing a number of dummy packets in accordance with the difference between the requested time of arrival written in the header and the cycle time at the time of reception together with the series of data packets~~

wherein said sum-taking step and said replacing step are skipped when said series of data packets are fed from a storage medium in which data storage is based on said cycle time, and are performed when said series of data packets are fed from a storage medium in

which data storage is not based on said cycle time.

7. (Canceled)

8. (Currently Amended) A video playback apparatus comprising:

~~means for taking the sum of a relative value, which is written in a header portion, between a requested time of arrival and a cycle time at the time of reception, and a cycle time at the time of transmission with respect to a series of data packets[[;]]~~

means for taking the sum of a relative value between a requested time of arrival and a cycle time at a time of reception which is written in a header portion and a cycle time at the time of transmission with respect to a series of data packets;

means for replacing said relative value with said sum;

means for transmitting said series of data packets over a serial bus; and

~~means for reproducing a number of dummy packets in accordance with the difference between the requested time of arrival written in the header and the cycle time at the time of reception together with the series of data packets~~

wherein said sum-taking means and said replacing means are disabled when said series of data packets are fed from first kind of storage medium in which said series of data is stored based on said cycle time, and are enabled when said series of data packets are fed from second kind of storage medium in which data storage is not stored based on said cycle time.

9. (Canceled)

10. (New) A method of processing data packets according to claim 1,
wherein said first kind of storage medium is the medium in which data being
stored in DV-format and said second kind of storage medium is the medium in which data being
stored in other than DV-format.

11. (New) A method of processing data packets according to claim 10,
wherein said first kind of storage medium includes digital video tape and said
second kind of storage medium includes a hard disk.

12. (New) A method of processing data packets according to claim 1, further
comprising the step of generating each dummy packet in a range in which data is absent on
receiving said series of data packets.

13. (New) A video recording apparatus according to claim 4,
wherein said first kind of storage medium is the medium in which data being
stored in DV-format and said second kind of storage medium is the medium in which data being
stored in other than DV-format.

14. (New) A video recording apparatus according to claim 13,
wherein said first kind of storage medium includes digital video tape and said
second kind of storage medium includes a hard disk.

15. (New) A method of processing data packets according to claim 6,
wherein said first kind of storage medium is the medium in which data being
stored in DV-format and said second kind of storage medium is the medium in which data being
stored in other than DV-format.

16. (New) A method of processing data packets according to claim 15,
wherein said first kind of storage medium includes digital video tape and said
second kind of storage medium includes a hard disk.

17. (New) A method of processing data packets according to claim 6, further
comprising the step of reproducing a number of dummy packets together with said series of data
packets.

18. (New) A video playback apparatus according to claim 8,
wherein said first kind of storage medium is the medium in which data being
stored in DV-format and said second kind of storage medium is the medium in which data being
stored in other than DV-format.

19. (New) A video playback apparatus according to claim 18,
wherein said first kind of storage medium includes digital video tape and said
second kind of storage medium includes a hard disk.

20. (New) A video playback apparatus according to claim 8, further comprising means for reproducing a number of dummy packets together with said series of data packets.